

FIG.1

S11

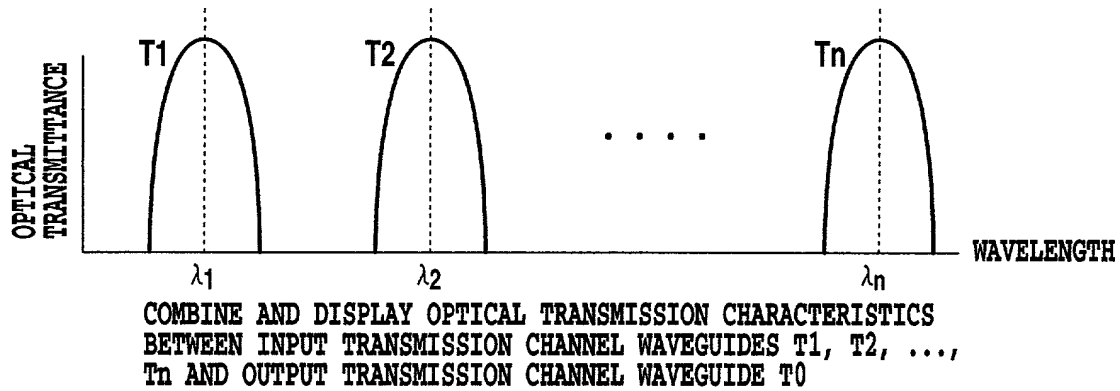


FIG.2A

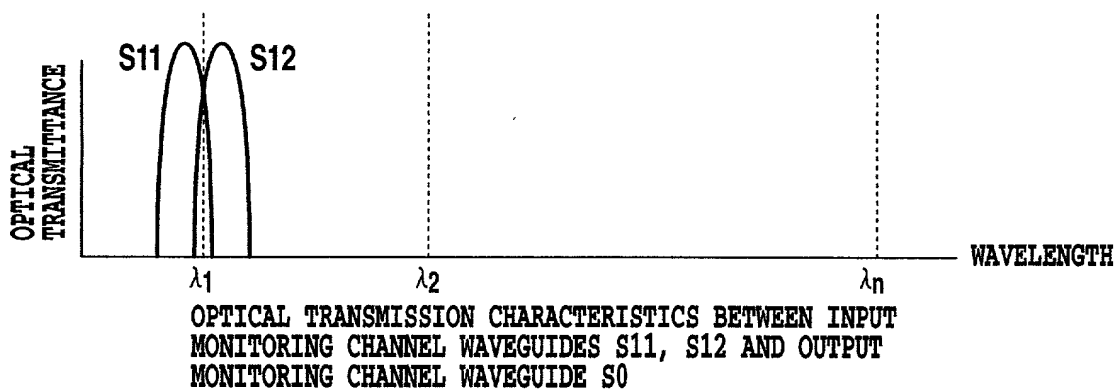


FIG.2B

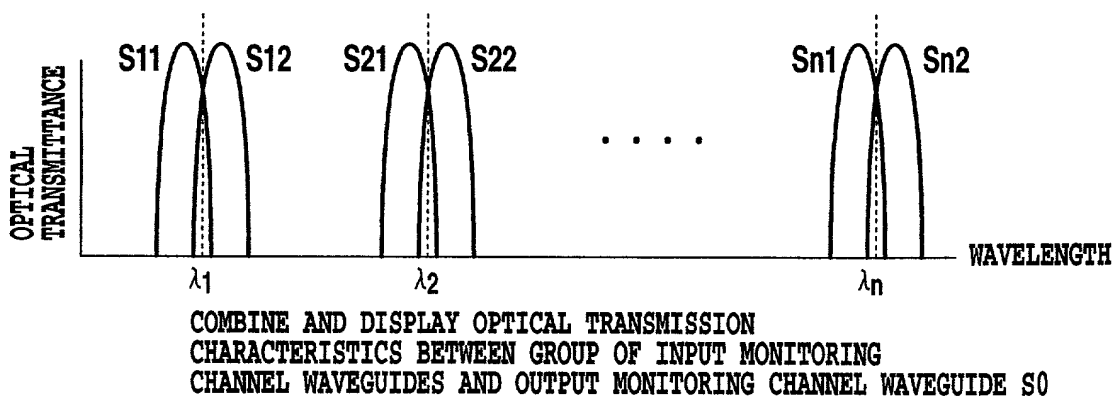


FIG.2C

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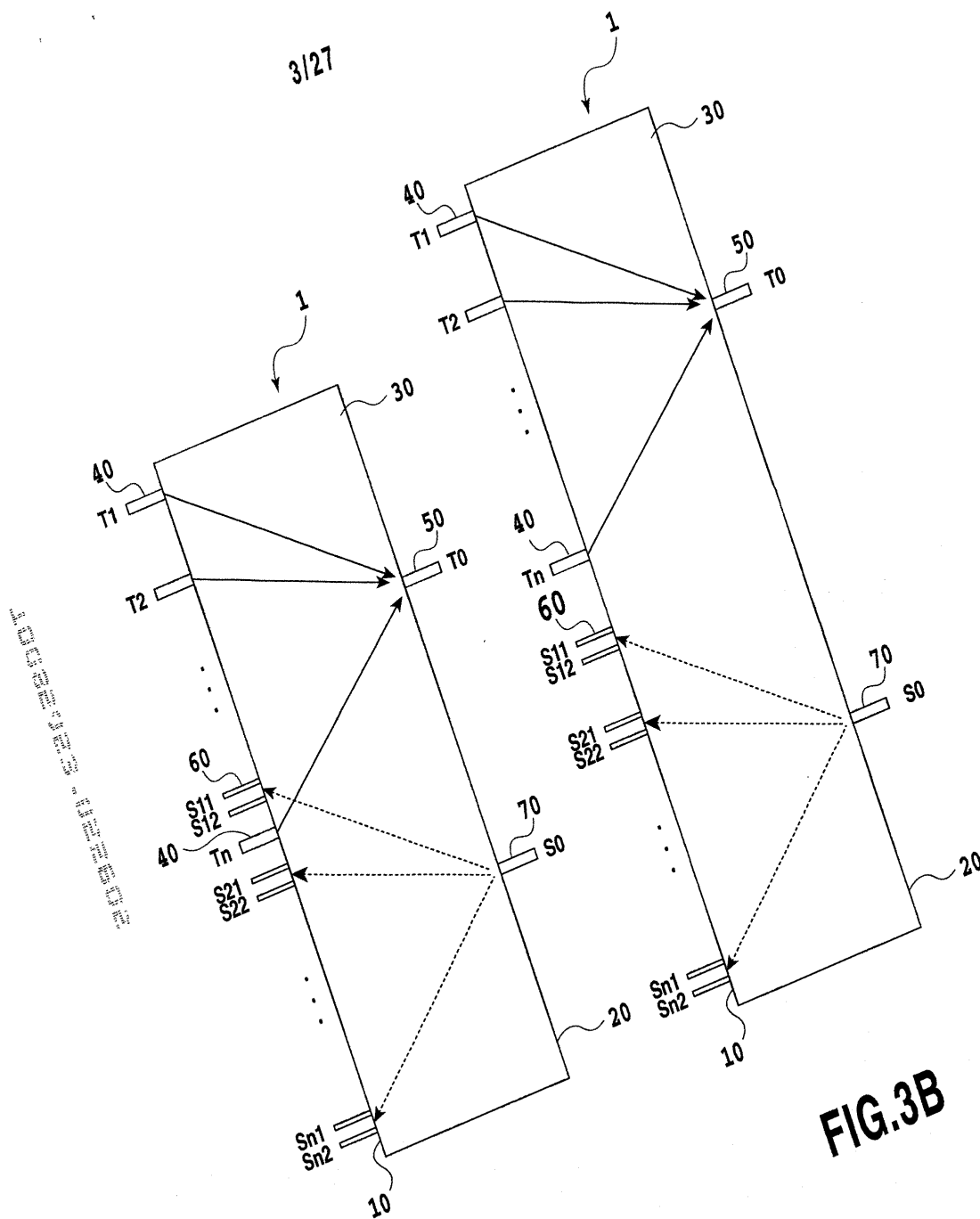


FIG.3A

FIG.3B

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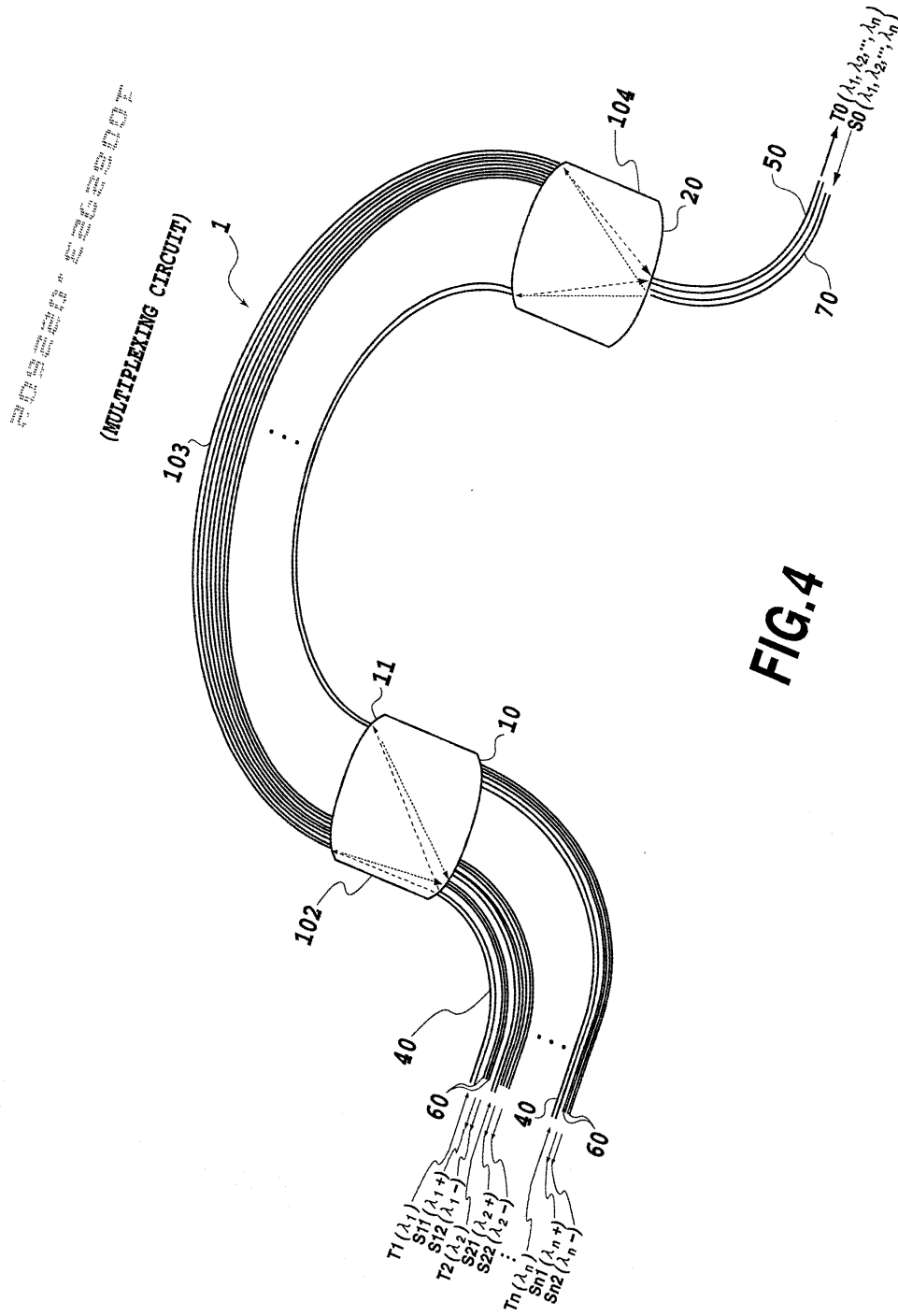


FIG.4

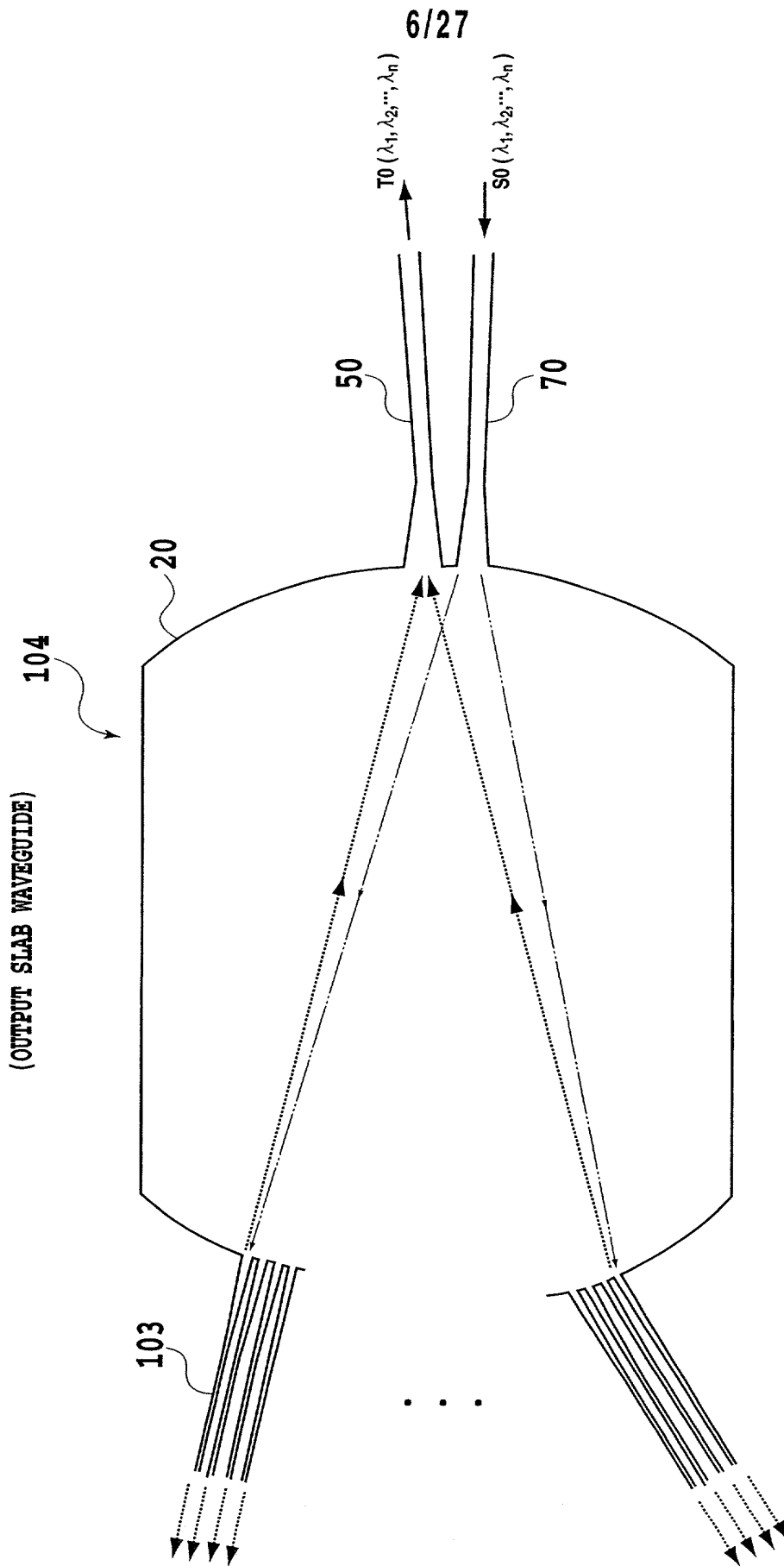


FIG.6

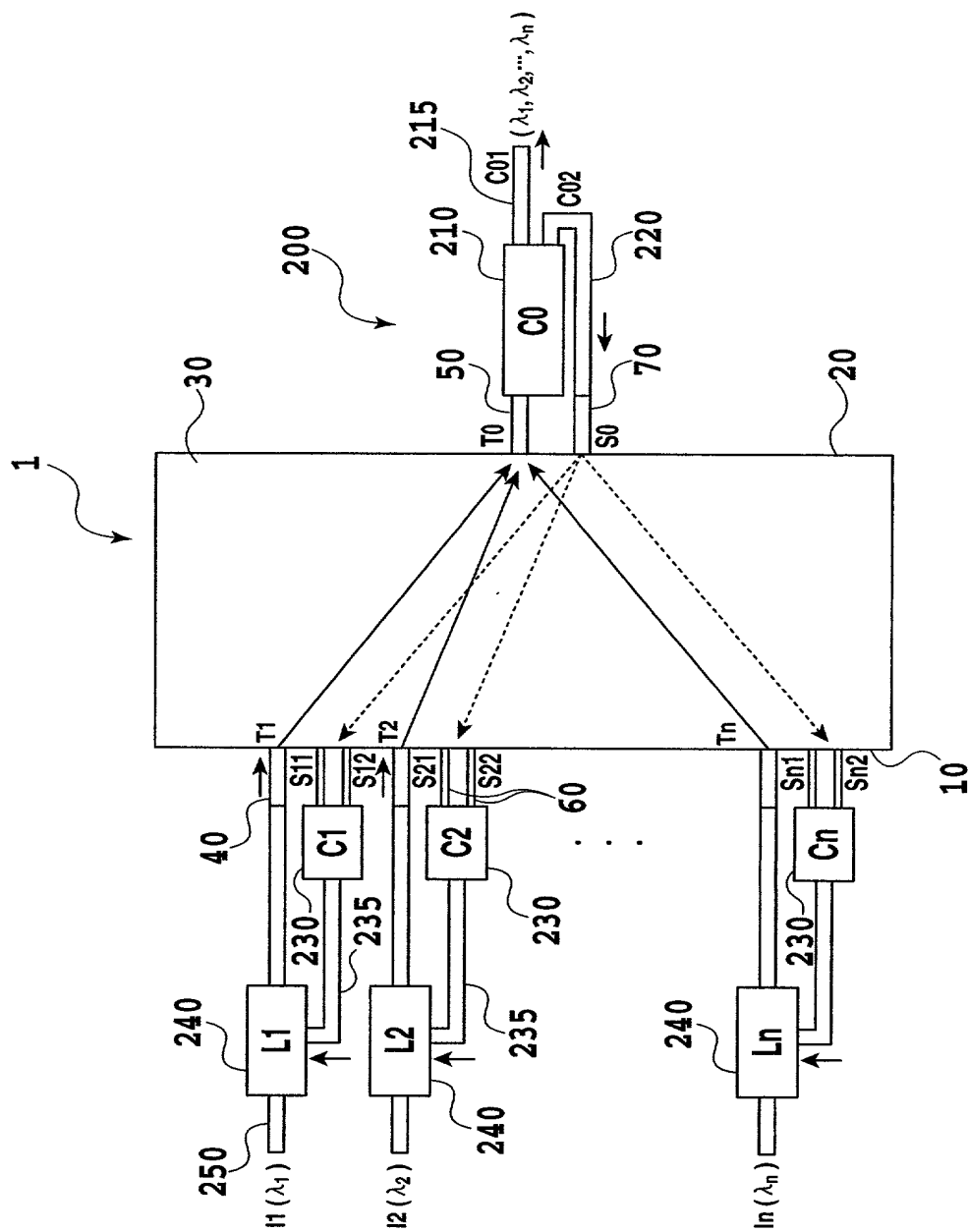


FIG. 7

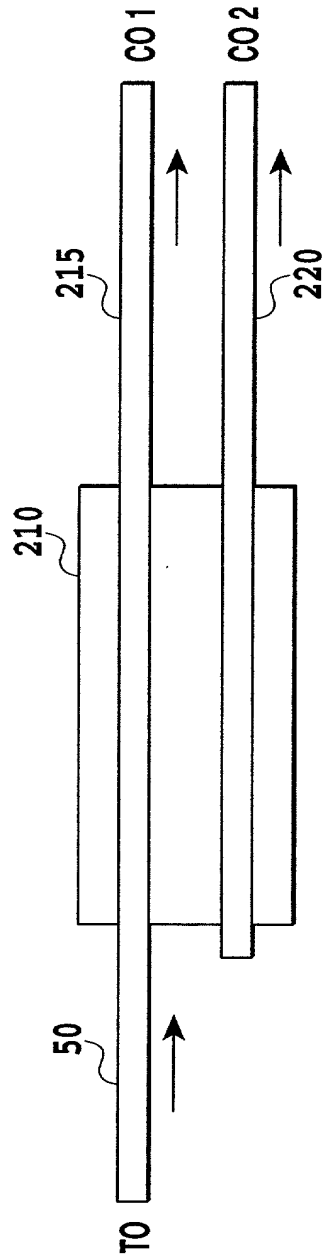


FIG.8

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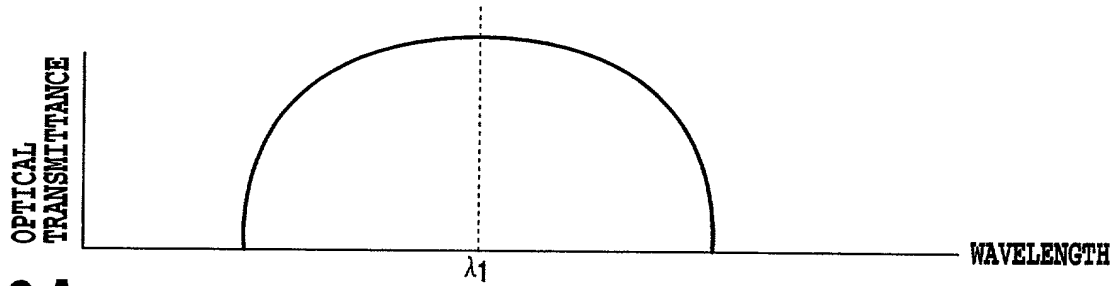


FIG.9A

OPTICAL TRANSMISSION WAVELENGTH
CHARACTERISTIC BETWEEN T1 AND T0

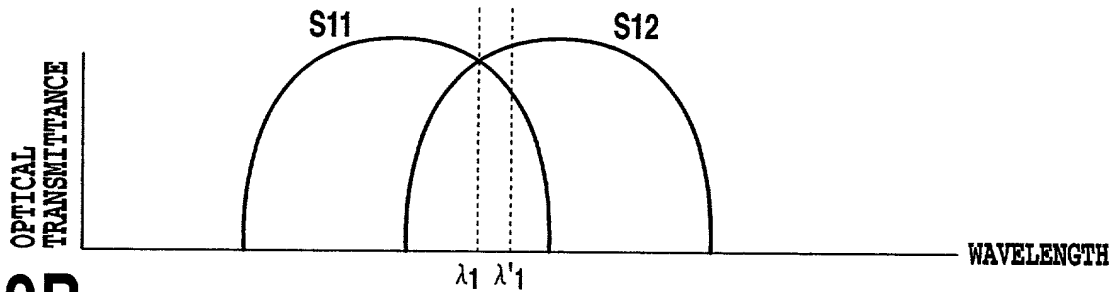


FIG.9B

OPTICAL TRANSMISSION WAVELENGTH
CHARACTERISTICS BETWEEN S0 AND S11, S12

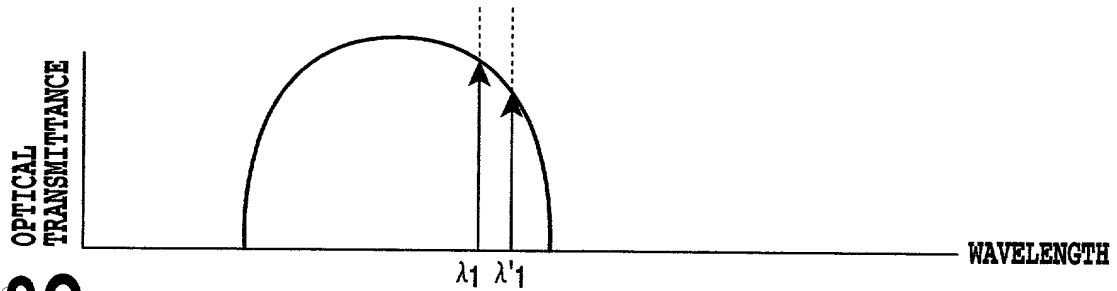


FIG.9C

OPTICAL TRANSMISSION WAVELENGTH
CHARACTERISTIC BETWEEN S0 AND S11

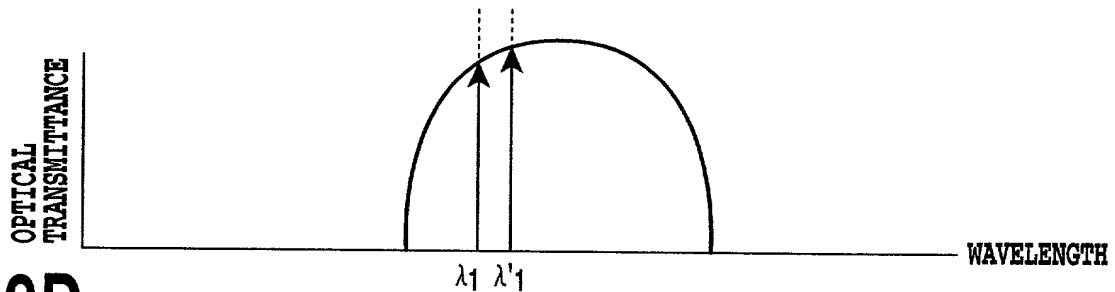


FIG.9D

OPTICAL TRANSMISSION WAVELENGTH
CHARACTERISTIC BETWEEN S0 AND S12

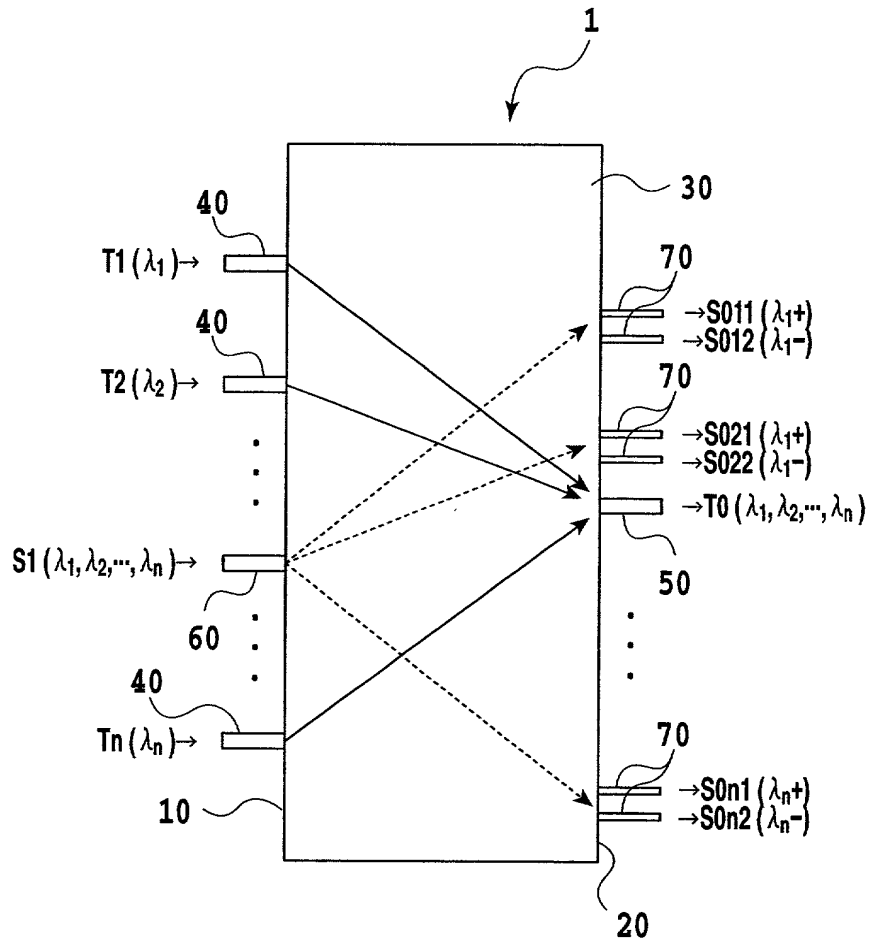
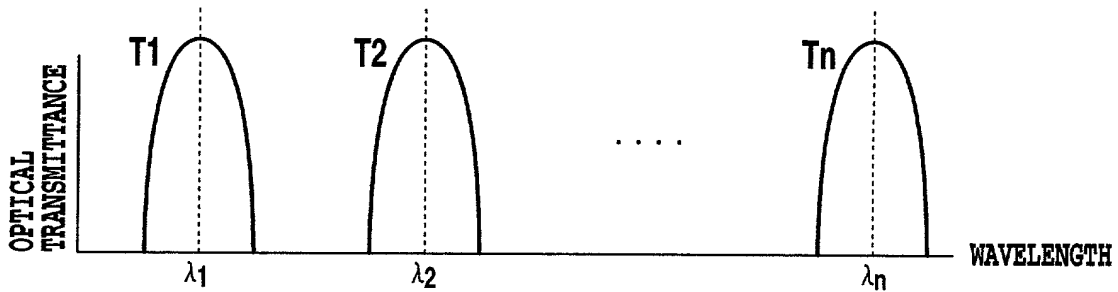
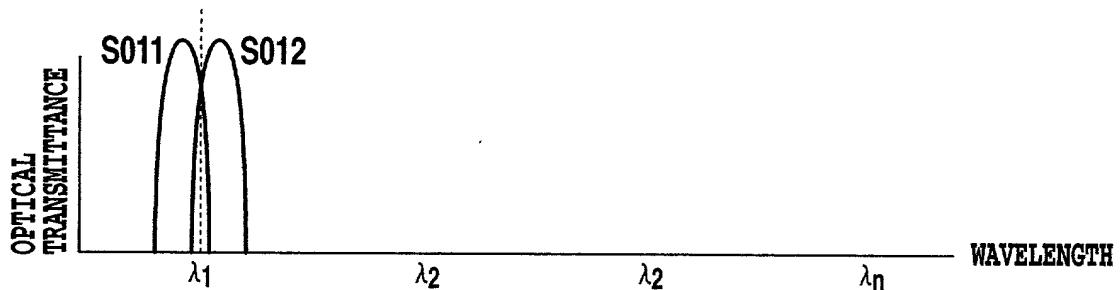


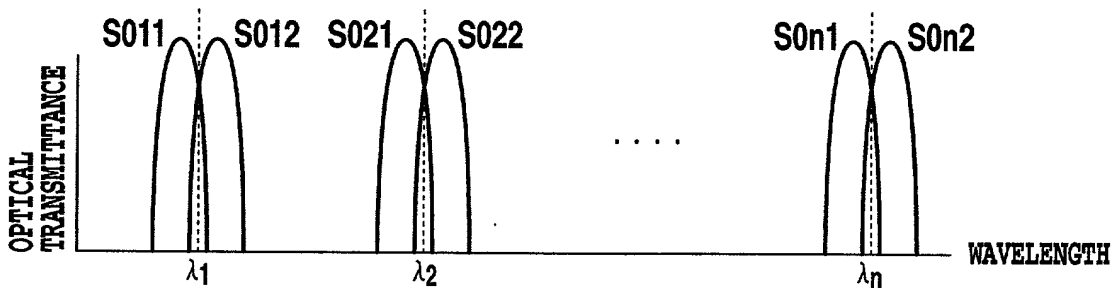
FIG.10

**FIG. 11A**

COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT TRANSMISSION CHANNEL WAVEGUIDES T1, T2, ..., Tn AND OUTPUT TRANSMISSION CHANNEL WAVEGUIDE T0

**FIG. 11B**

OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT MONITORING CHANNEL WAVEGUIDE S1 AND OUTPUT MONITORING CHANNEL WAVEGUIDES S011, S012

**FIG. 11C**

COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT MONITORING CHANNEL WAVEGUIDE S1 AND GROUP OF OUTPUT MONITORING CHANNEL WAVEGUIDES S011, S012, S021, S022, ..., S0n1, S0n2

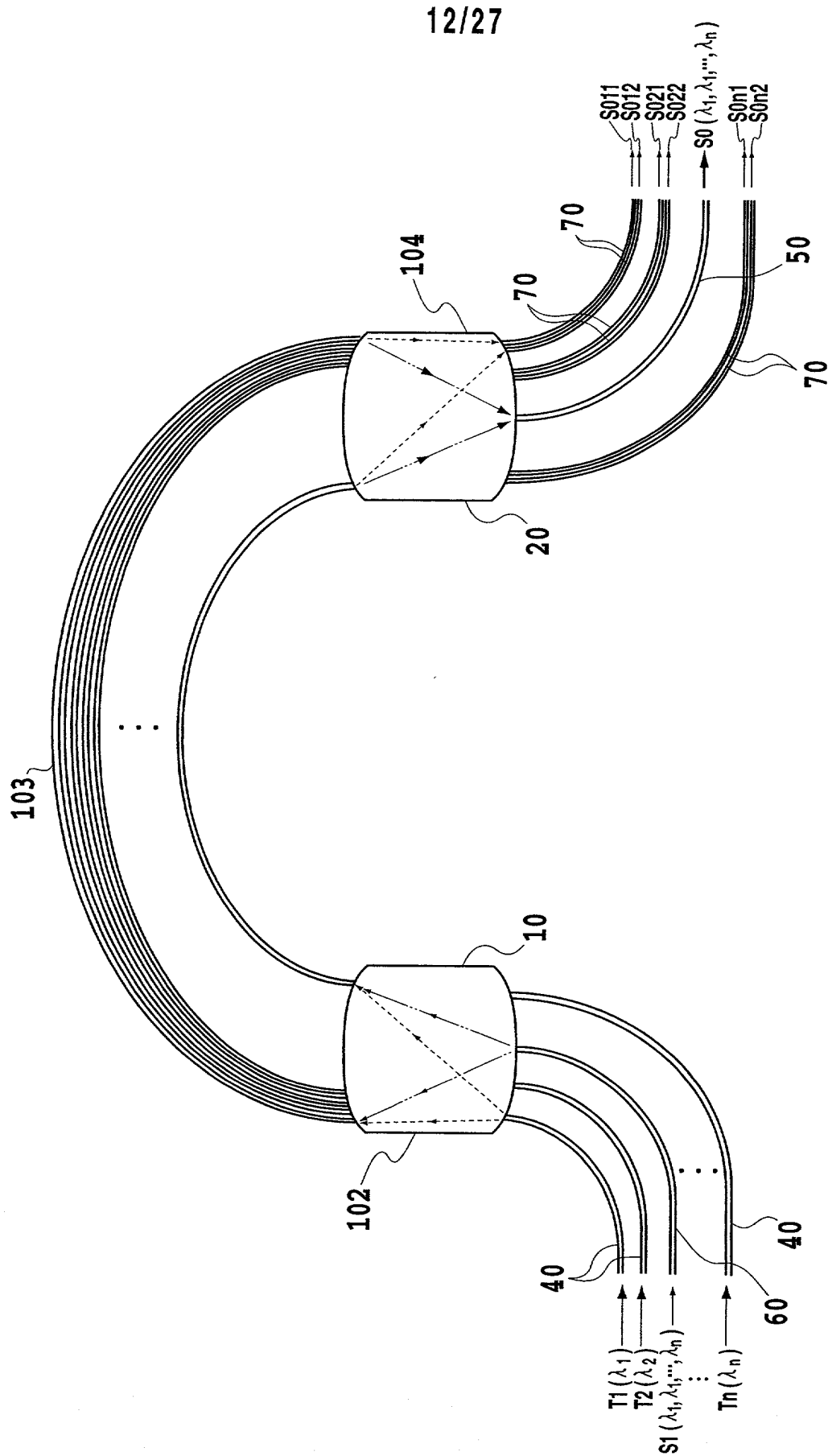


FIG.12

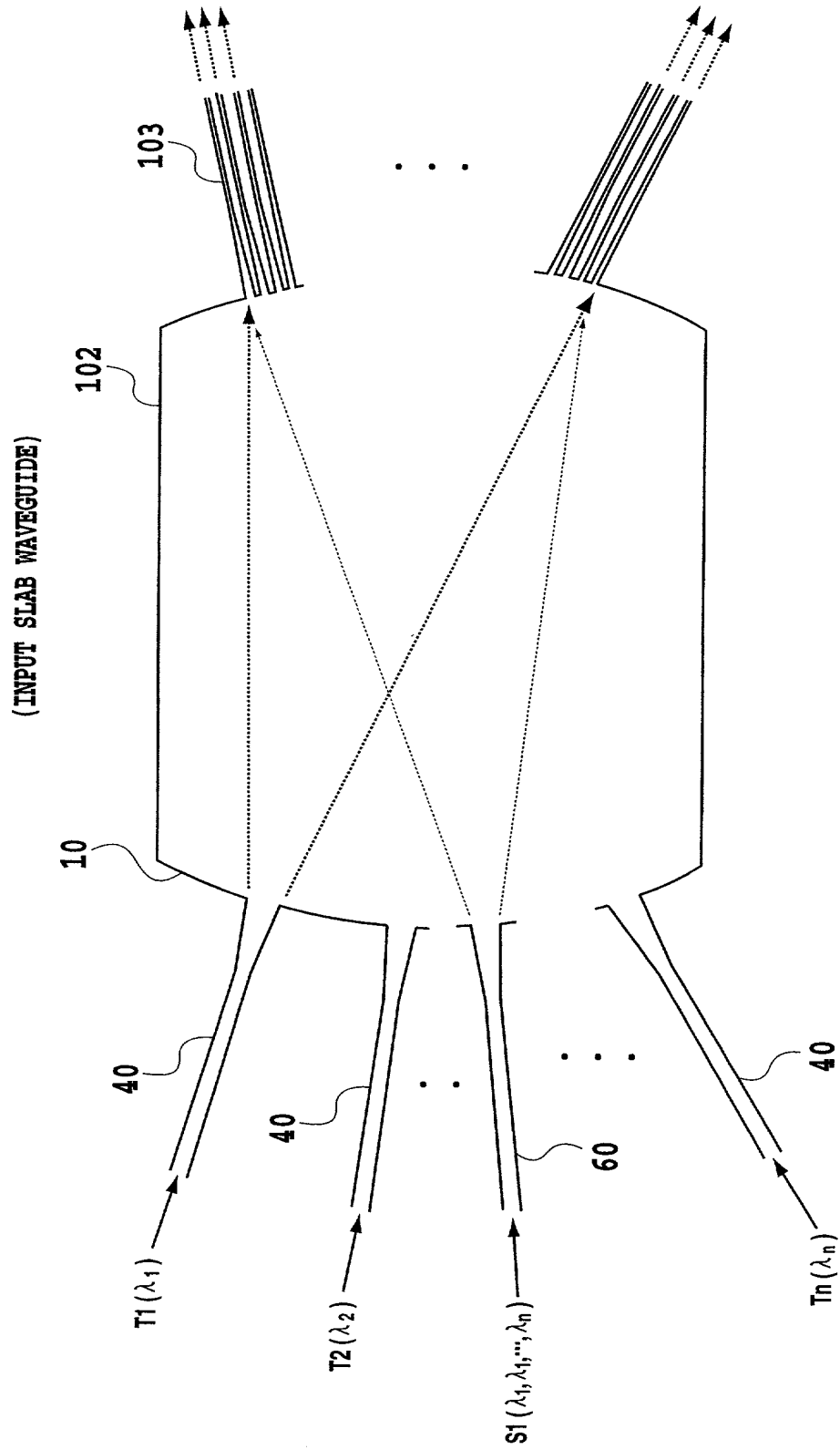


FIG.13

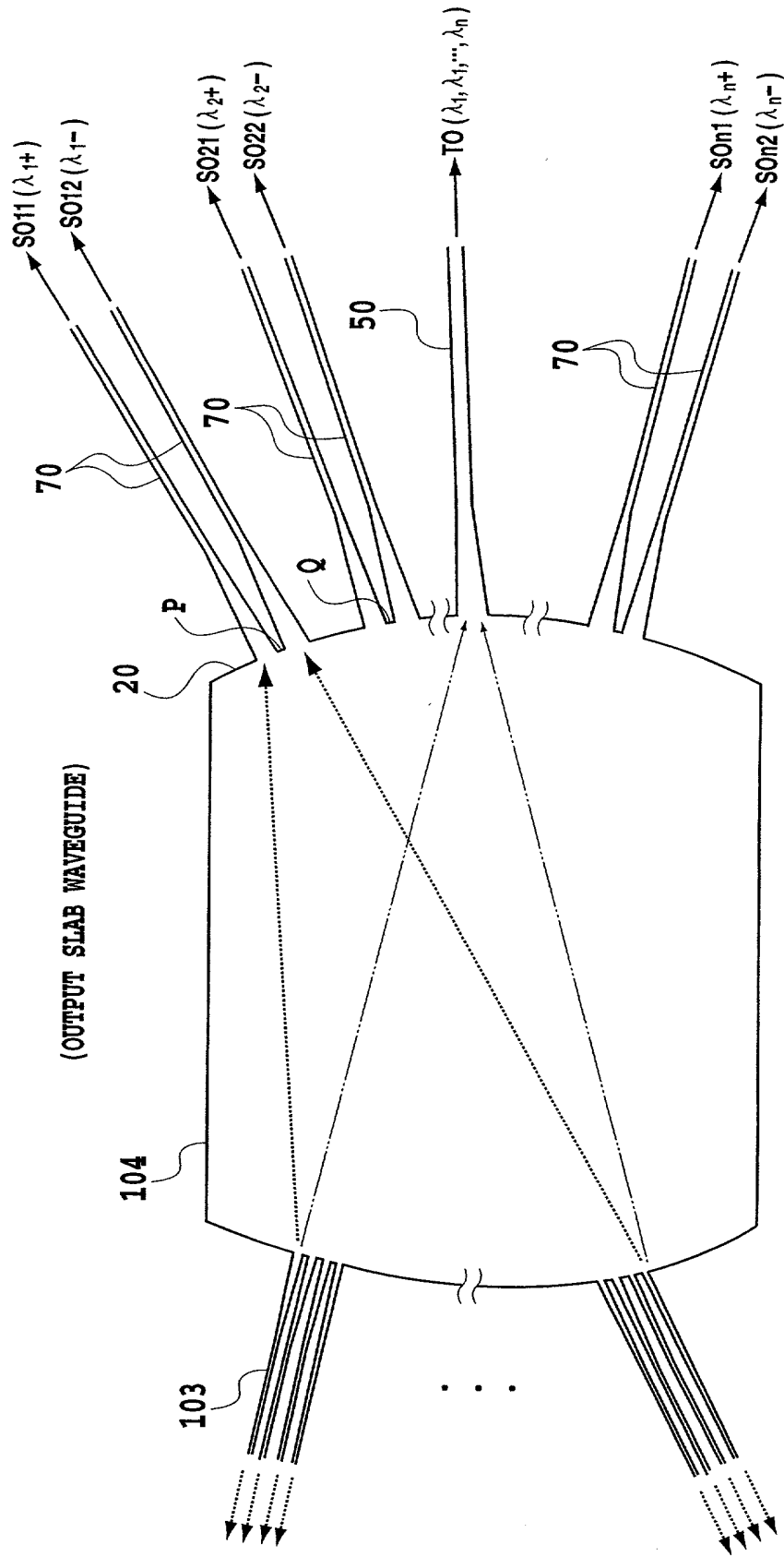


FIG.14

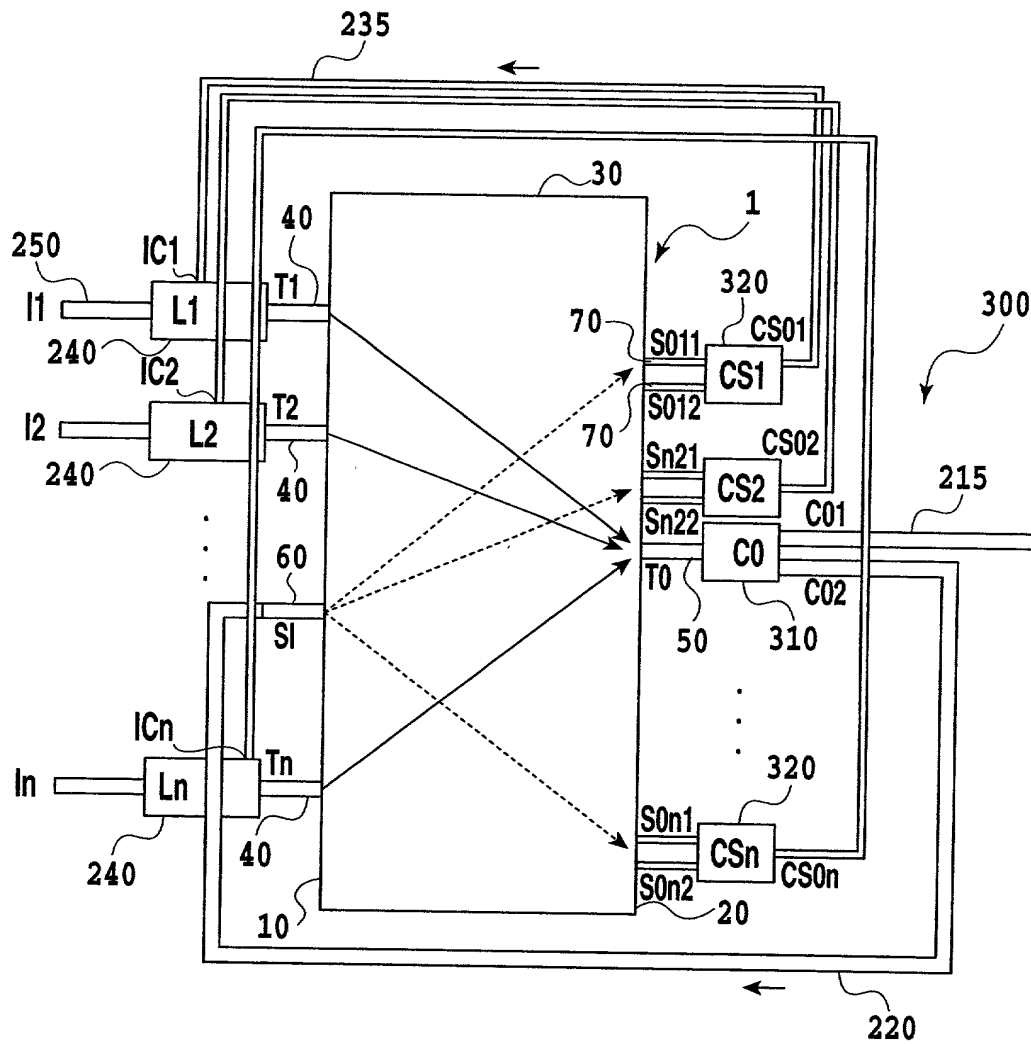
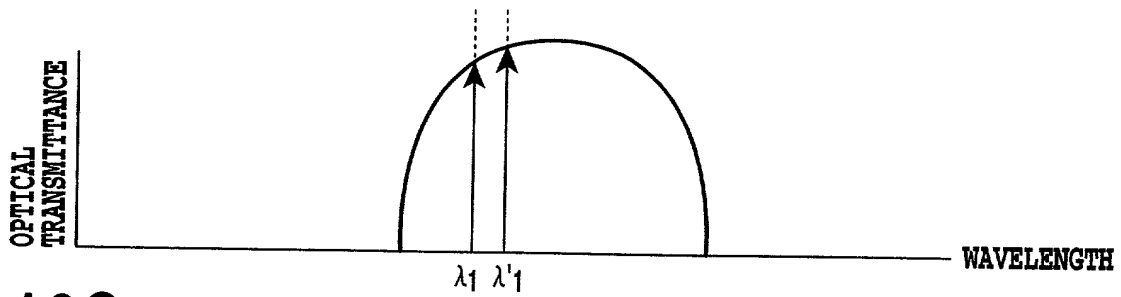
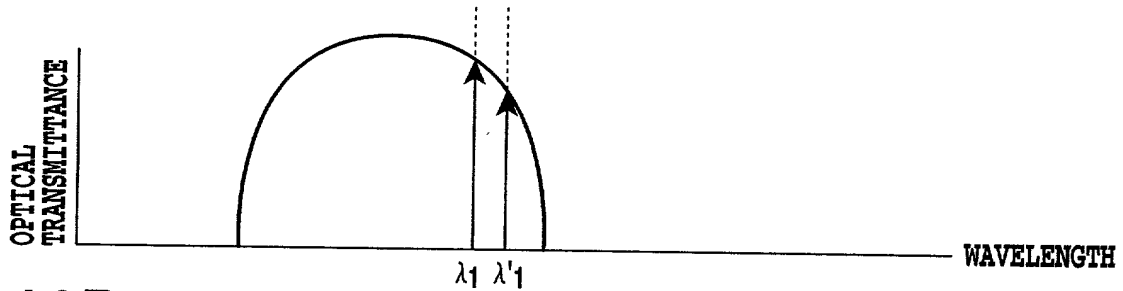
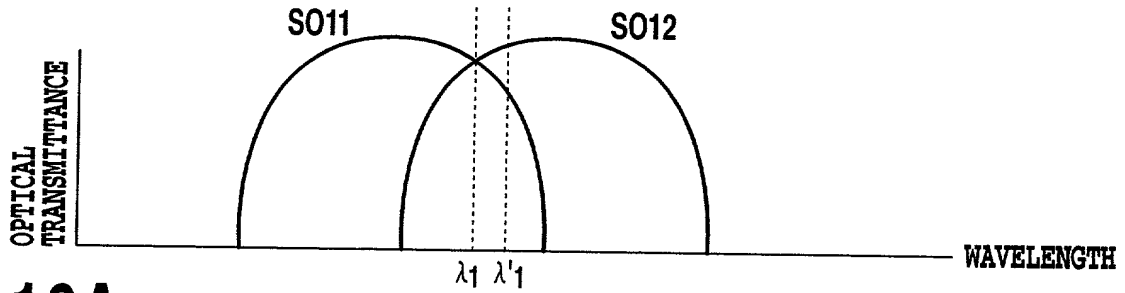


FIG.15



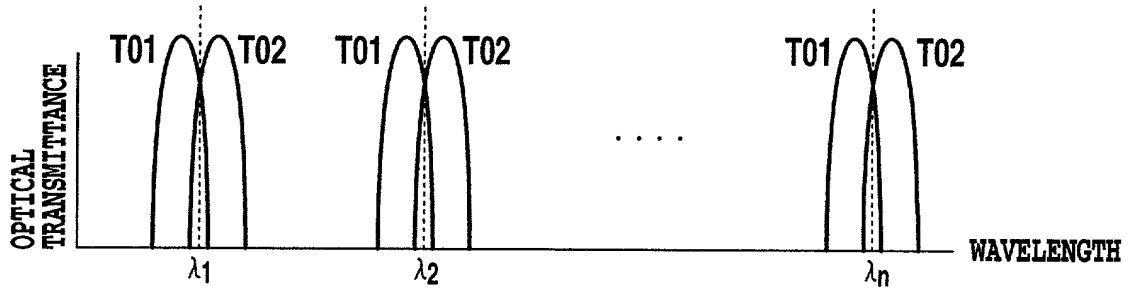


FIG.18A (b) COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT TRANSMISSION CHANNEL WAVEGUIDES T1, T2, ..., Tn AND OUTPUT TRANSMISSION CHANNEL WAVEGUIDES T011, T012

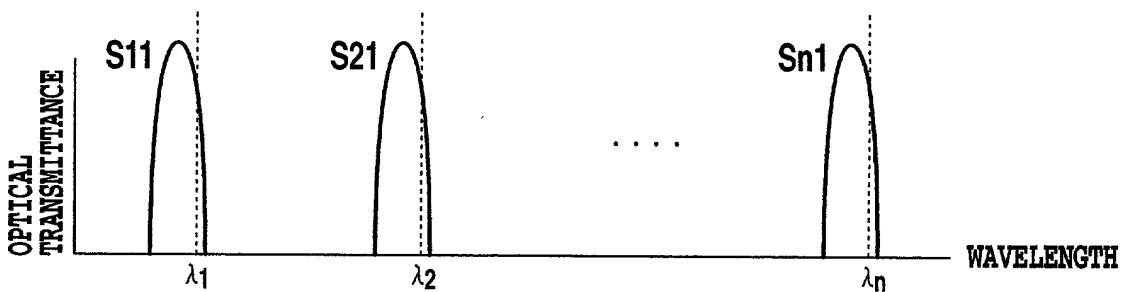


FIG.18B (c) COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT MONITORING CHANNEL WAVEGUIDES S11, S21, ..., Sn1 AND OUTPUT MONITORING CHANNEL WAVEGUIDE S01

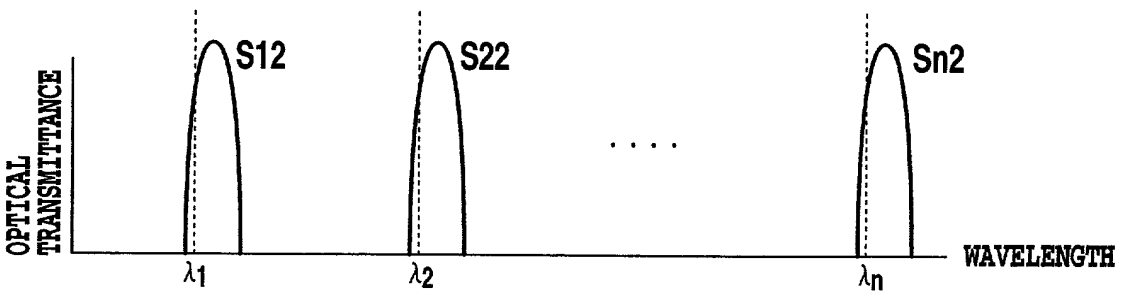


FIG.18C (d) COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT MONITORING CHANNEL WAVEGUIDES S12, S22, ..., Sn2 AND OUTPUT MONITORING CHANNEL WAVEGUIDE S02

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(MULTIPLEXING CIRCUIT)

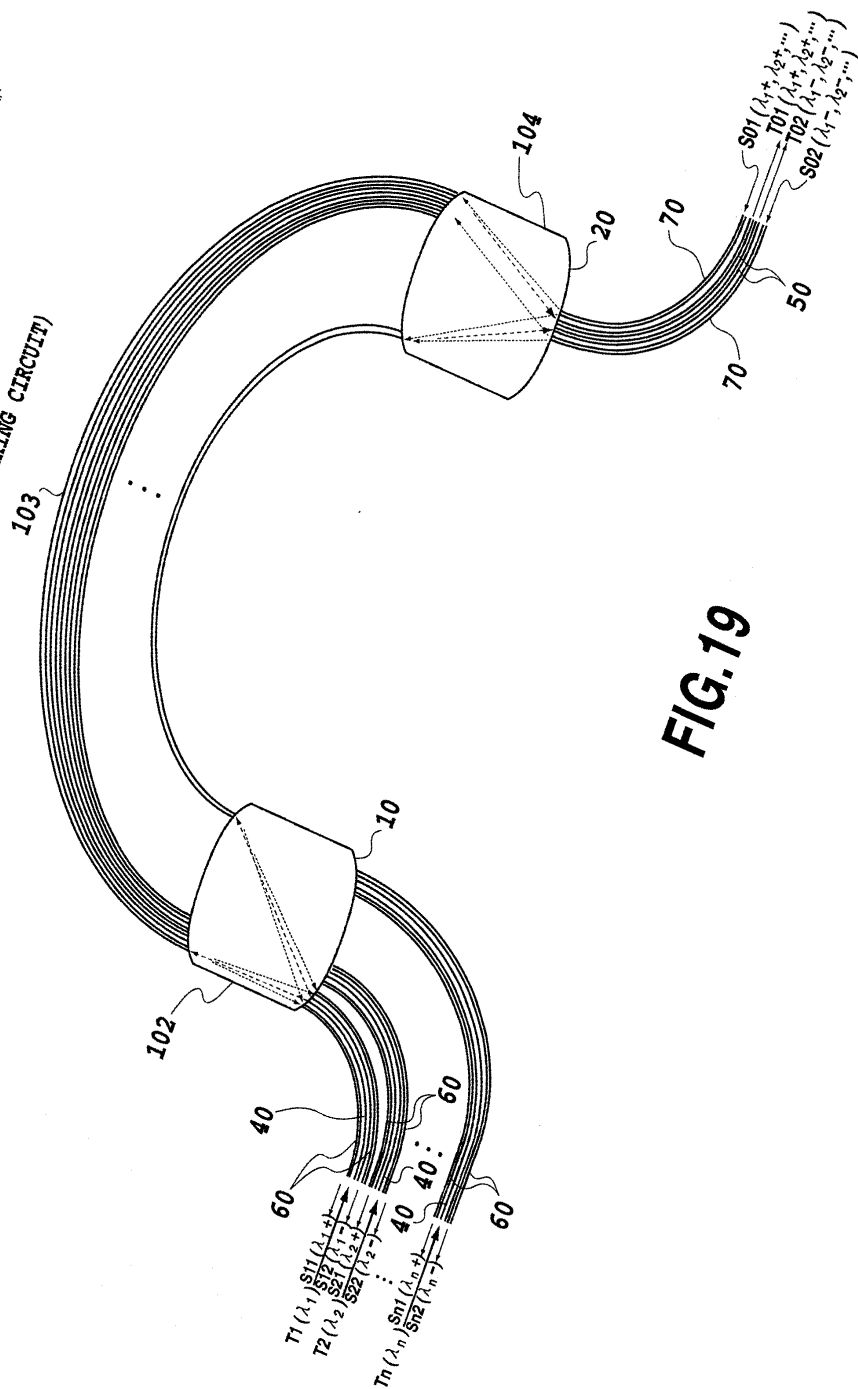


FIG. 19

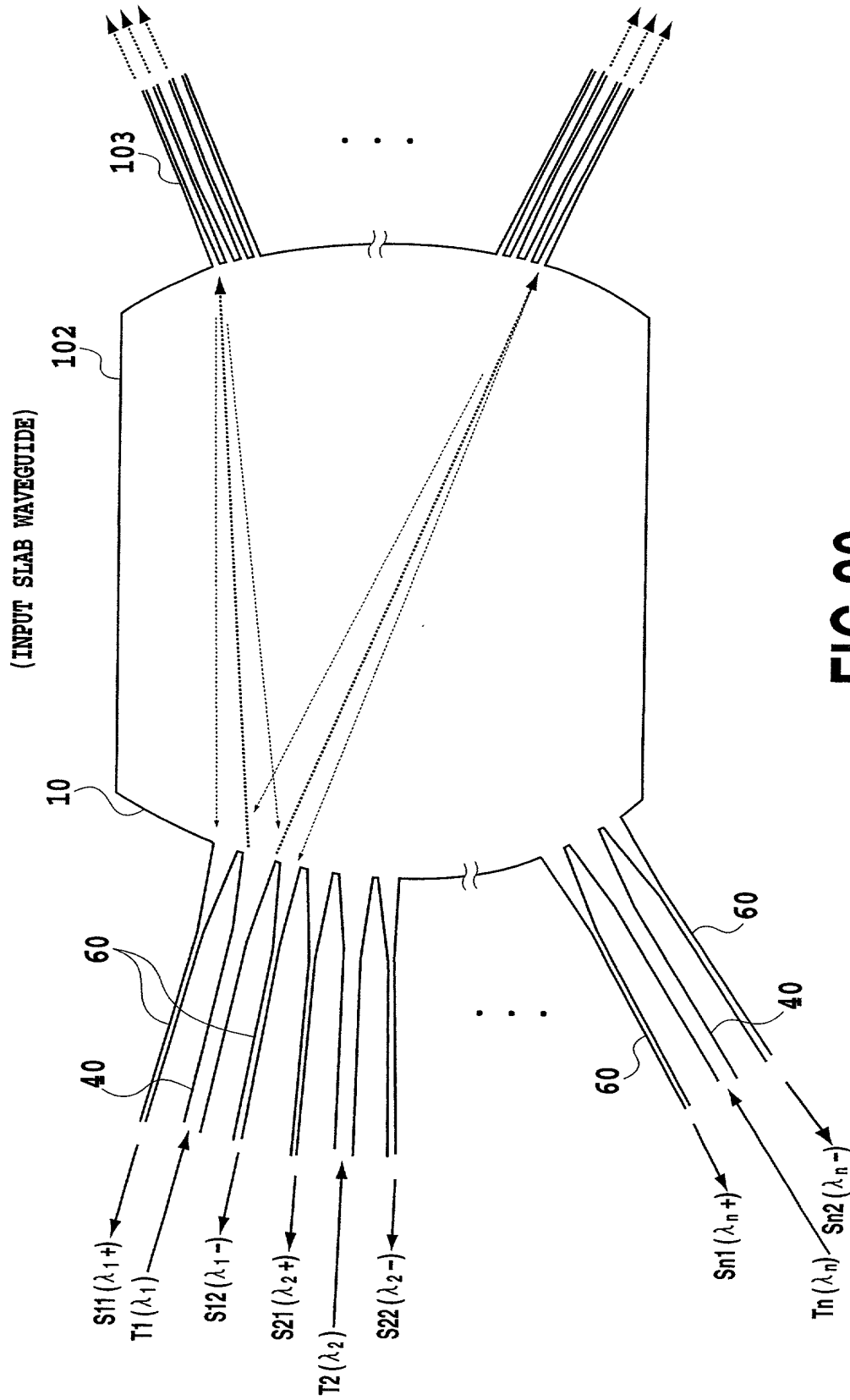


FIG.20

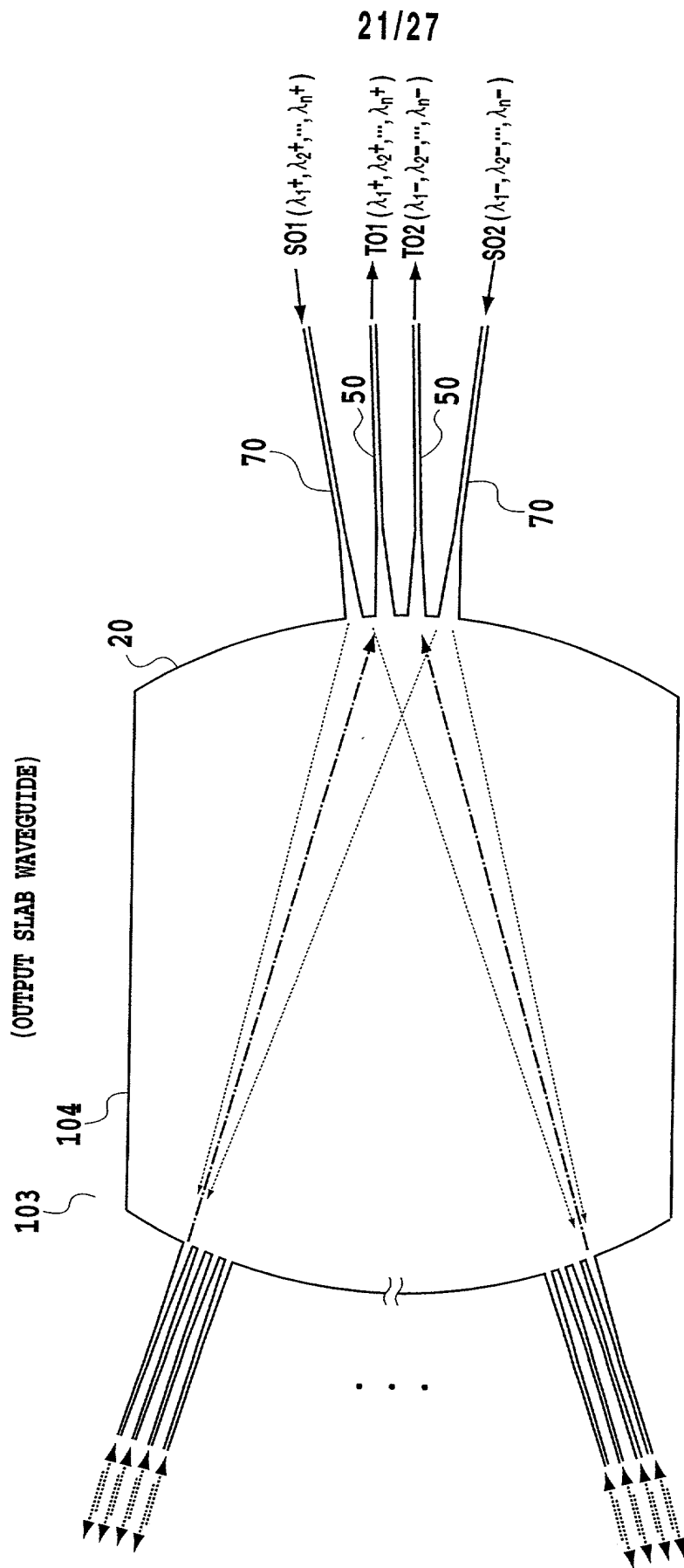


FIG.21

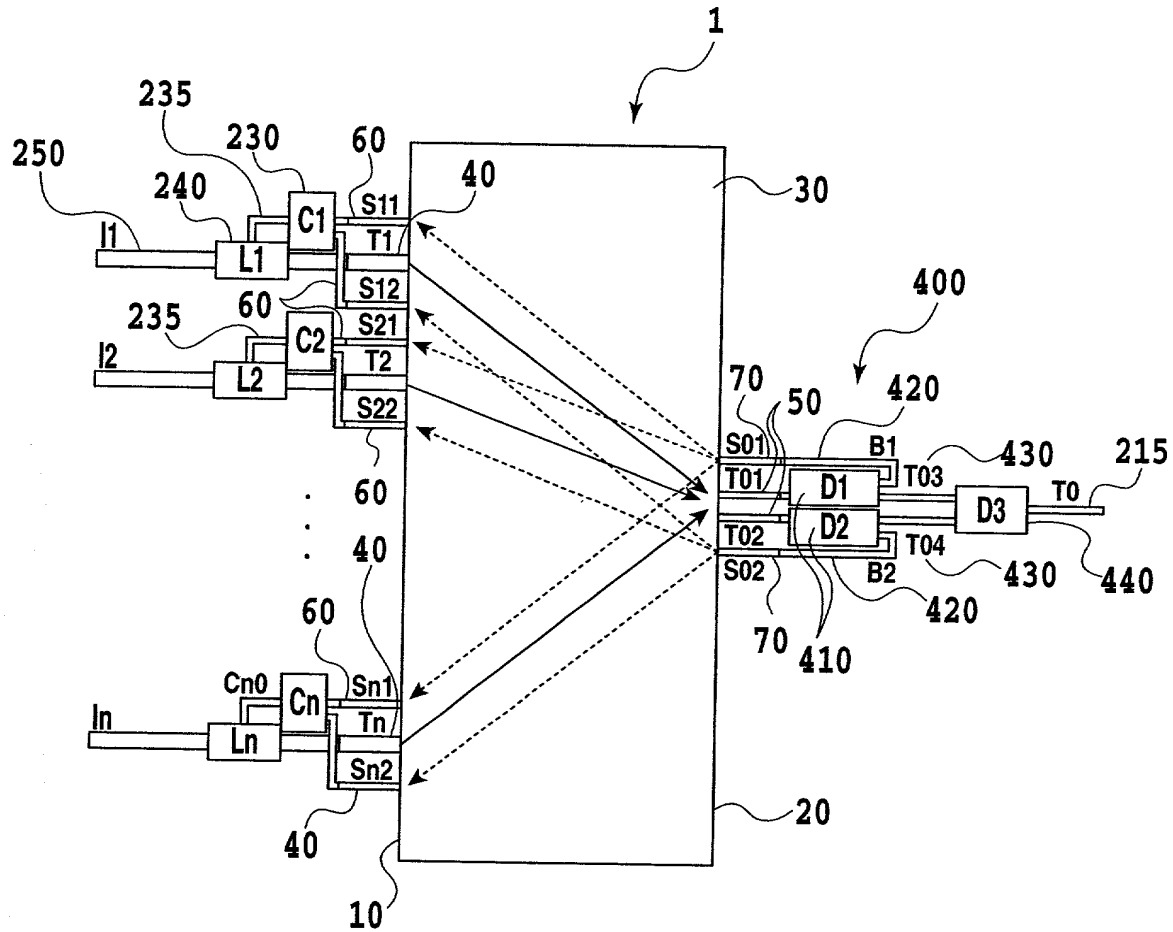
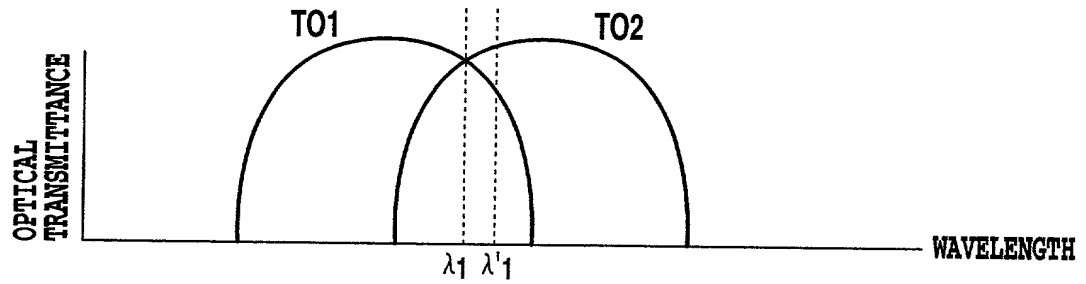
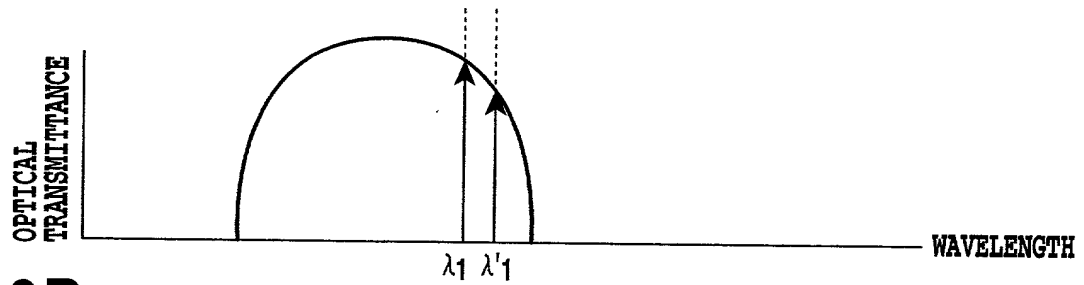


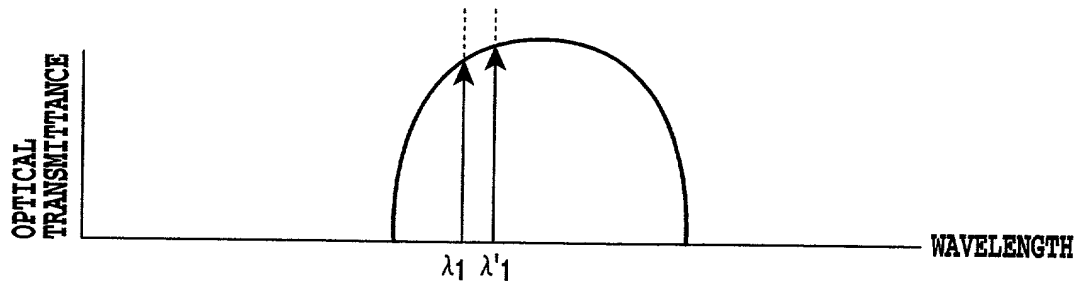
FIG.22

**FIG.23A**

OPTICAL TRANSMISSION WAVELENGTH
CHARACTERISTICS BETWEEN T1 AND T01, T02

**FIG.23B**

OPTICAL TRANSMISSION WAVELENGTH
CHARACTERISTIC BETWEEN S01 AND S11

**FIG.23C**

OPTICAL TRANSMISSION WAVELENGTH
CHARACTERISTIC BETWEEN S02 AND S12

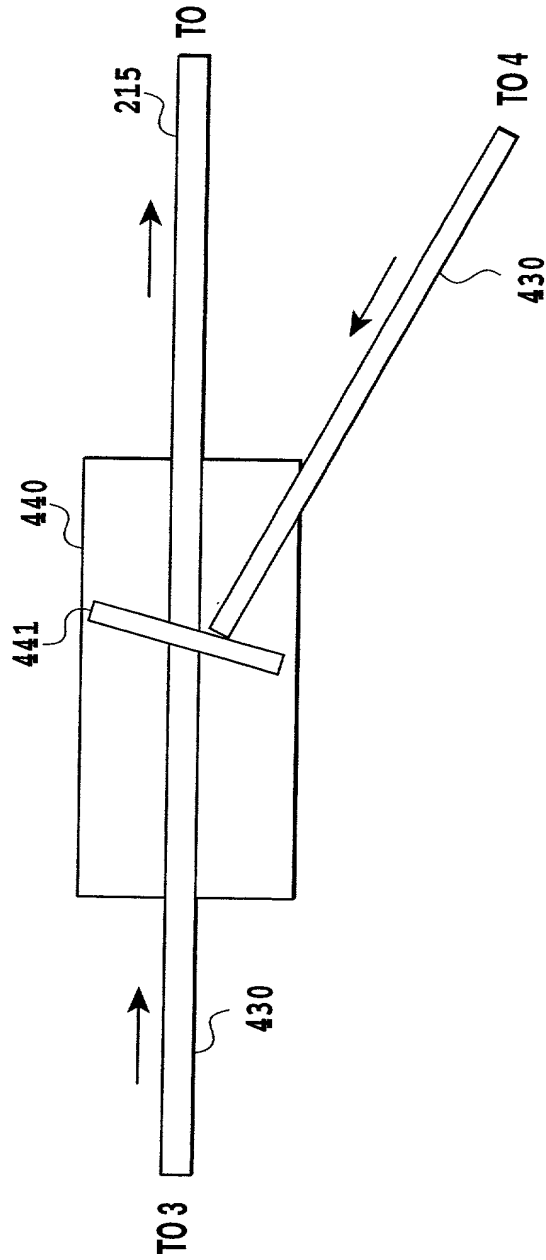


FIG.24

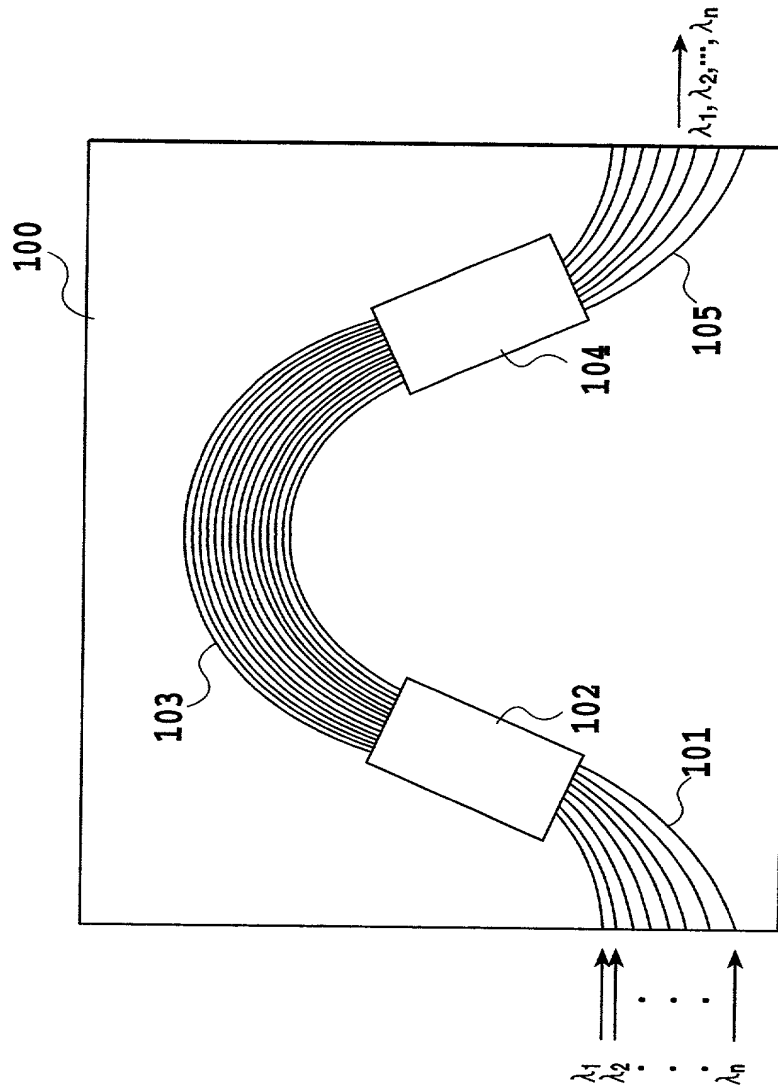
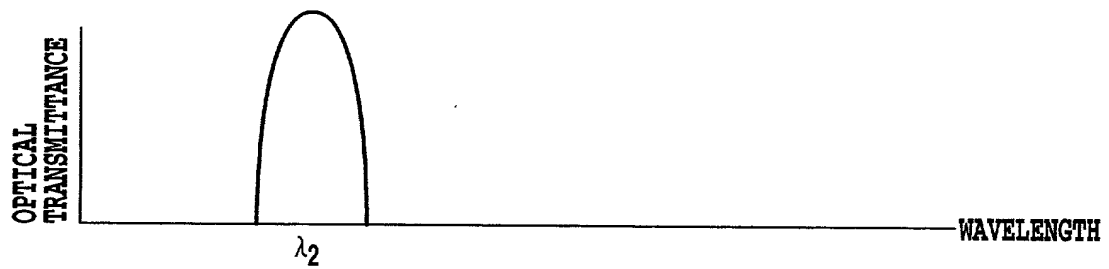


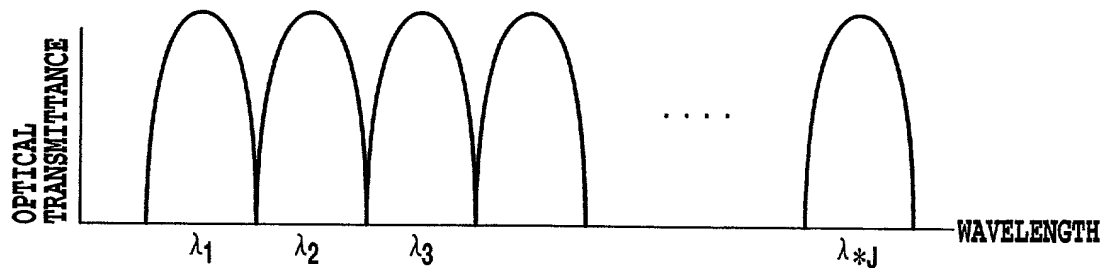
FIG.25



(c) OPTICAL TRANSMISSION CHARACTERISTIC BETWEEN #1 AND *j

FIG.27A

(d) OPTICAL TRANSMISSION CHARACTERISTIC BETWEEN #2 AND *j

FIG.27B

(e) SYNTHESIZE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN #1, #2, ..., #n AND *j

FIG.27C